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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/954,612	09/12/2001	Ping Liu	034300-172	8236

7590 04/25/2006
ROBERT E. KREBS
THELEN REID & PRIEST LLP
P.O. BOX 640640
SAN JOSE, CA 95164-0640

EXAMINER

CAO, CHUN

ART UNIT	PAPER NUMBER
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2115

DATE MAILED: 04/25/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/954,612	LIU, PING	
	Examiner	Art Unit	
	Chun Cao	2115	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 February 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 9,10,12,13,16-23 and 25-29 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 9,10,12,13,16-23 and 25-29 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

FINAL REJECTION

1. Claims 9, 10, 12, 13, 16-23 and 25-29 are presented for examination. Claims 1-8, 11, 14, 15 and 24 were canceled. Claims 25-29 are newly added claims.
2. The text of those applicable section of Title 35, U.S. Code not included in this action can be found in the prior Office Action.
3. The rejections are respectfully maintained to the extended that is applicable to the amended claims and reproduced infra for applicant's convenience.
4. Claims 9, 10, 12, 13, 16-23 and 25-29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fuller et al. (Fuller), U.S. patent no. 5,768,605 in view of Johnson et al. (Johnson), U.S. patent no. 6,573,868.

As per claim 25, Fuller discloses that a peripheral device adapted to be insertable into a host device [figures 5-7] comprising:

a body [PCMCIA card] adapted to be selectively removable from the host device [figures 5-7];

an antenna [col. 6, lines 2] coupled to the body and moveable between a first position and a second position [fig. 7; col. 5, lines 10-38];

a circuit within the body and configured to sense positioning of the antenna in the first or second position, the circuit configured to provide an inserted signal to the host device when the antenna is in the first position such that the host device provides power to the peripheral device in response to the inserted signal, the circuit configured to generate a removed signal to the host device when the antenna is in the second

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position such that the host device does not provide power to the peripheral device in response to the removed signal [figs. 5-7; col. 5, lines 10-38; col. 6, lines 1-19].

Fuller does not explicitly disclose that the host device does not provide power to the antenna in response to the remove signal. In other word, a switch is configured to generate a signal base on the position of an antenna whether or not to supply power to the antenna.

However, Johnson discloses that a switch [figures 6a, 6b] is configured to generate a signal base on the position of an antenna whether or not to supply power to the antenna [figures 12a, 12b; col. 13, lines 1-15; col. 15, line 66-col. 16, line 12; col. 16, lines 42-47].

It would have been obvious to one of ordinary skill in the art at time the invention to combine the teachings of Fuller and Johnson, because they teach a communication PC card and the specific teaching of Johnson that would improve the performance of Fuller's system by further reducing power consumption of Fuller's system.

As per claim 26, Fuller discloses that the circuit is electrically connected to detecting pins of the host device, the detecting pins determining whether the peripheral device is inserted or removed from the host device [fig. 7; col. 5, lines 11-38].

As per claim 27, Fuller discloses that the circuit is operative to generate an open circuit as the removed signal and a low voltage level as the inserted signal [figs 5-7; col. 4, lines 34-45; col. 5, lines 2-9].

As per claim 28, Fullers discloses that the low voltage level is a ground potential [figs 5-7; col. 4, lines 34-45; col. 5, lines 2-9].

As per claim 29, Fullers discloses that the peripheral device is a PCMCIA card [figs. 2a, 2b; col. 5, lines 11-12].

As to claims 9, 10 and 12-13, Fuller and Johnson teach the claims 25-29 which basically are the corresponding elements that are carried out the method of operating steps in claims 9, 10 and 12-15. Accordingly, claims 9, 10 and 12-13 are rejected for the same reason as set forth for claims 25-29.

As to claims 16-23 are written in mean plus function and contained the same limitations as claims 25-29. Therefore, same rejection is applied.

5. Applicant's arguments filed on 2/21/06, which have been fully considered but they are not persuasive. Applicant's arguments with respect to claims 9, 10, 12, 13, 16-23 have been considered but are moot in view of rejection indicated above.

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Shobtake, U.S. patent no. 5,506,847, teaches of supplying power to a mobile device base upon a position of an antenna [col. 94, line 63-col. 7, line 7].

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within

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TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chun Cao whose telephone number is 571-272-3664. The examiner can normally be reached on Monday-Friday from 7:30 am-4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas C. Lee can be reached on 571-272-3667. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is 571-272-2100.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

April 21, 2006



CHUN CAO
PRIMARY EXAMINER